

RAW SEQUENCE LISTING

**The Biotechnology Systems Branch of the Scientific and Technical
Information Center (STIC) no errors detected.**

Application Serial Number: 09/805,664A
Source: IFW/16
Date Processed by STIC: 11/18/04

ENTERED



IFW16

RAW SEQUENCE LISTING

DATE: 11/18/2004

PATENT APPLICATION: US/09/805,664A

TIME: 12:41:42

Input Set : A:\47544-20012.10 SEQLIST.TXT

Output Set: N:\CRF4\11182004\I805664A.raw

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4 <110> APPLICANT: Zyskind, Judith W.
5   Forsyth, Allyn R.
7 <120> TITLE OF INVENTION: METHOD FOR IDENTIFYING MICROBIAL
8   PROLIFERATION GENES
10 <130> FILE REFERENCE: 07252/008002
12 <140> CURRENT APPLICATION NUMBER: 09/805,664A
13 <141> CURRENT FILING DATE: 2001-03-13
15 <150> PRIOR APPLICATION NUMBER: 08/971,090
16 <151> PRIOR FILING DATE: 1997-11-14
18 <160> NUMBER OF SEQ ID NOS: 9
20 <170> SOFTWARE: FastSEQ for Windows Version 4.0
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23 <211> LENGTH: 18
24 <212> TYPE: DNA
25 <213> ORGANISM: Artificial Sequence
27 <220> FEATURE:
28 <223> OTHER INFORMATION: Primer 5' to 3'
30 <400> SEQUENCE: 1
31 tgttttatca gaccgctt
33 <210> SEQ ID NO: 2
34 <211> LENGTH: 18
35 <212> TYPE: DNA
36 <213> ORGANISM: Artificial Sequence
38 <220> FEATURE:
39 <223> OTHER INFORMATION: Primer 5' to 3'
41 <400> SEQUENCE: 2
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44 <210> SEQ ID NO: 3
45 <211> LENGTH: 546
46 <212> TYPE: RNA
47 <213> ORGANISM: Escherichia coli lepB
49 <400> SEQUENCE: 3
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51 caggaagcgu uccucgccau ucugcacguc ggcaaagaca acaaaauacc cuuaggaguu
52 ggcauggcga auauguuugc ccugauucug gugauugcca cacugggugac gggcauuuuu
53 uggugcgugg auaaaauucu uuucgcaccu aaacggcggg aacgucaggc agcgggcgag
54 gcggcucggg acucacugga uaaagcaacg uugaaaaagg uugcgccgaa gccuggcgug
55 cuggaaaccg gugcuucugu uuuccggua cuggcuauucg uauugauugu gcuuucguu
56 auuaugaac cguuccagau cccgucaggu ucgaugaugc cgacucuguu aaugggugau
57 uuauucugg uagagaaguu ugcuauggc auuaaagau cuaucuacca gaaaacgcug
58 aucgaaaacg gucauccgaa acgcgggcgau aucguggucu uaaaauaacc ggaagaacca
59 aagcuu
60
61 <210> SEQ ID NO: 4

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62 <211> LENGTH: 714
63 <212> TYPE: RNA
64 <213> ORGANISM: Escherichia coli viaA
66 <400> SEQUENCE: 4
67 cugcaggcug agguuguucc cuuacaaaug caacaacgac auggauuaca acaccucuc 60
68 aaacaaaggg caaucaccug aucuaagcuc uuaccuaua cagugauagg uuaugccuuu 120
69 uacucgacuu uugcacugac ugaaaaggac aaauuaaugu uaaaaaagau acuuuuacug 180
70 gcucugcuuc cugcaaucgc cuucgcagag gaacuuccug cuccaguaaa agcgauugaa 240
71 aaacagggca uuacaaucau caaaacaauuc gaugcccccg gaggaauaagaa agguuauucuc 300
72 ggaaaguauc aggaauauggg cgucaccauc uaccugacuc cagaugguaa gcacgcuauc 360
73 ucugguuaca uguacaacga gaaaggugaa aaccugagua acacacuuau cgaaaaagaa 420
74 auuuacgcac cagccggacg cgaaaugugg caacggauagg aacaauccea cuggcuccuc 480
75 gacgguaaaa aagaugcgcc ggucuuuguc uacgucucg cgaucgcguu cugcccauau 540
76 uguaaacagu ucuggcagca ggcgcgcccg uggguagauu cuggcaaagu gcauuuaga 600
77 acauuguugg uugggguuau caagccagaa agcccgccga cagcagcggc aaucucugcc 660
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80 <210> SEQ ID NO: 5
81 <211> LENGTH: 714
82 <212> TYPE: DNA
83 <213> ORGANISM: Escherichia coli viaA
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87 aaacaaaggg caatcacctg atctaagctc ttacctatga cagtgatagg ttatgccttt 120
88 tactcgactt ttgcactgac tgaaaaggac aaattaatgt taaaaaagat acttttactg 180
89 gctctgcttc ctgcaatcgc cttcgcagag gaacttcctg ctccagttaa agcgattgaa 240
90 aaacagggca ttacaatcat caaaacattc gatgccccg gaggaatgaa aggttatctc 300
91 ggaaagtatc aggatattgg cgtcaccatc tacctgactc cagatggtaa gcacgctatc 360
92 tctggttaca tgtacaacga gaaagggtgaa aacctgagta acacacttat cgaaaaagaa 420
93 atttacgcac cagccggacg cgaaatgtgg caacggatgg aacaatccca ctggctcctc 480
94 gacggtaaaa aagatgcgcc ggtcattgtc tacgtcttcg ccgatccgtt ctgcccata 540
95 tgtaaacagt tctggcagca ggcgcgcccg tgggtagatt ctggcaaaag gcaattaaga 600
96 acattgttgg ttggggttat caagccagaa agcccgccga cagcagcggc aattcttgcc 660
97 tccaaagatc ccgcaaaaac ctggcaacaa tatgaagcct ctggtggcaa gctt 714
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100 <211> LENGTH: 1050
101 <212> TYPE: RNA
102 <213> ORGANISM: Escherichia coli ddlB
104 <400> SEQUENCE: 6
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106 ggcuguggcg ggucuuaccc ggugagguau uggcuuccag cagauaaaac uguccaucgc 120
107 uguccagcau aacgucaaua cguccccauc cuuugcaacc uaacgucguc caugcuuua 180
108 gcacuaaagc cugcaaaugg gccucuugug acgcuuccag accugcgggg cagaaauacu 240
109 gugucuauc agagagauc uucgccucau aaucuaagaa gguuccggac gguugaauac 300
110 guauugacgg uaaaauuucu ucaccgagua ucgcaaccgu gaacuccggc ccacuuagcc 360
111 auuuuucaau caauacuucu ucaucgugcu gaaaugccaa ucuaaugca ucuguagag 420
112 cauuuucugc uacuacuuuu gacauuccca cacuggaacc uucgcggcuc ggcuaaacga 480
113 uaaccggcaa acccagagca gaaauuucug cuaacugcuu aucgcucagg ccuuuuucaa 540
114 acucugcgcg gguuaacgcu acccagggcg cgaccgguaa accggcaccu ugccauagaa 600
115 guuugcugcg uaguuuaucc auugaaagcg cagaugccau cacuccgcuu ccgguauaag 660

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116 gcaagcccau cagcucgagc aucccccugca gcguaccauc uucaccgccc cgaccgugua      720
117 gcgcgaaaaa cacuuucuga aagcccaucg acuuucaguug cgucacgucg acuuuuuucg      780
118 ggucgacagg auacgcguca auaccgccuu cacgcacucc ggcuaacacc gcugcgccag      840
119 aaauucagaga aacuucccgc ucagcggagg ucccacccaa caggaccgcg auuuuauacag      900
120 ucauguuguu cuuccuccgg aguugcgggc uucaguuuua uuucagcuua agaacgggca      960
121 auuuuuuccaa uauuaccagc ccccguaacg agaauacaggu cguuaccggu uaauaccggu     1020
122 gccagcaucu cggcuaccgg cgccggaucc                                1050
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125 <211> LENGTH: 451
126 <212> TYPE: RNA
127 <213> ORGANISM: Escherichia coli ampG
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132 acgauaguuu uuggucauuu uguugccauu cugcgcgguu gcgaugaugg cgauauccgc     180
133 uuuggucgag auguuguagc gcacguugcc cugggacacg ucagcauaca guuggcuaac     240
134 gaugauuugc agauuaaccg ggccauucgg accaaccaug uaaccacgcg cggucaucug     300
135 uuuuuuccagc acuuucugca gcaggaaacg cagaucgcgg gagggcgguu ggguaacgau     360
136 ugaauuauuc cgggugacuu uugccagcgc cugaucggua cgcugaucgg caccauuauu     420
137 gcuuacggug acgcccacau ggcuuuggau c                                451
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141 <212> TYPE: DNA
142 <213> ORGANISM: Escherichia coli secA
144 <400> SEQUENCE: 8
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147 atctcttatt agggatggtt gcgcgagtt taggtttgcc tgcgctcagc aacgccgcgc     180
148 aaccaaaccg gcccgcaaaa gcgacaaccg gcaaccacga gccttcagcc aaagttaact     240
149 ttggtcaatt ggccttgctg gaagcgaaca cacgccgccc gaattcgaac tattccgttg     300
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151 cgcaaacact gcccgttgct gaagaatctt tgctctttca ggcgcaacat cttgcattac     420
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154 cgcaaggcat ccgtgctggc cctcaacgcc tcacctaa acaataaacc tttacttcat     600
155 tttattaaact ccgcaacgcg gggcggttga gatattatta tgctaataca attgttaact     660
156 aaagttttcg gtagtcgtaa cgatcgacc ctgcgcggga tgcgcaaagt ggtcaacatc     720
157 atcaatgcca tggaaccgga gatggaaaaa ctctccgacg aagaactgaa agggaaaacc     780
158 gcagagtttc gtgcacgtct ggaaaaaggc gaagtgtgga aaaatctgat cccgga      836
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163 <213> ORGANISM: Escherichia coli secA
165 <400> SEQUENCE: 9
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168 uugaccacuu ugcgcauccg gcgcaggug cgaucguuac gacuaccgaa aacuuuaguu     180
169 aacaauuuga uuagcauau aaaaucuaa acgccccgcg uugcgaguu aauaaaauga     240
170 aguaaagggu uauuguuguu aggugaggcg uugagggcca gcacggaugc cuugcgccug     300

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171	gcuaauccag	acggggcgugc	ugaauuuuugc	uugugggggua	aaaugcgcau	aaucaaugcg	360
172	auaaccuuuu	ucagacggcg	ugccuuccug	ggucagcagc	gcgcugagcg	uauccaguaa	420
173	ugcaagaugu	ugcgccugaa	gaggcaaaga	uucuucagca	acgggcagug	uuugcggugc	480
174	cauugcgaaa	gaaagaugac	ggauuaccgu	gcgaauaggca	uguugaugcc	aguaaucaac	540
175	ggaauaguuc	gaauucgggc	ggcguguguu	cgcucccagc	aaggccaauu	gaccaaaguu	600
176	aacuuuggcu	gaaggcucgu	gguugcgggu	ugucgcuuuu	gcgggcgcgu	uugguucggc	660
177	ggcgugcgug	agcgcaggca	aaccuaaacu	cgccgcaacc	aucccuaaua	agagaugcgg	720
178	ccagaaguag	cguuuaccaa	acugucgcca	gcgcgucagu	auuccacuca	cguuauugcc	780
179	aucccgauca	uauucaaacg	uauuuagcgc	acaaaucuua	ucauuuaagc	cugcag	836

VERIFICATION SUMMARY

PATENT APPLICATION: US/09/805,664A

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Input Set : A:\47544-20012.10 SEQLIST.TXT

Output Set: N:\CRF4\11182004\I805664A.raw